06-29-04

1fw

EXPRESS MAIL LABEL NO.: EV 437487043 US

PATENT APPLICATION Docket No. 48900-01018

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

La re application of:	Moon, James E., et al.	)
Application No.:	10/771,553	) ) Art Unit ) 1724
Confirmation No.:	3925	) 1,21
Filed:	February 4, 2004	)
For:	MICROFABRICATED ELECTROSPRAY DEVICE	)
Examiner:	Not Assigned	) )

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Forms PTO/SB/08A and PTO/SB/08B be considered by the Examiner and made of record. Copies of all documents are not enclosed as they can be found in the parent application. In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

To the extent any additional fees are due in connection with this communication,

Applicants request that they be withdrawn from Deposit Account No. 08-2665.

DATED this 281 day of June, 2004.

Respectfully submitted,

David O. Seeley, Reg. No. 30,148

Customer No. 34013

Holme Roberts & Owen LLP 299 South Main Street, Suite 1800 Salt Lake City, Utah 84111

(801) 521-5800

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Complete if Known ubstitute for form 1449/PTO **Application Number** 10/771,553 02/04/2004 Filing Date INFORMATION DISCLOSURE First Named Inventor James E. Moon STATEMENT BY APPLICANT 1724 Art Unit (Use as many sheets as necessary) **Examiner Name** 7 of **Attorney Docket Number** 48900-01018

F	Cite		D		T DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Cite No.1 Number-Kind Code <sup>2(ff known)</sup>		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US	2001-0001474	12-21-2000	Davis, et al.	
	2	US	2001-0001460		Davis, et al.	
	3	us	2001-0001456		Davis, et al.	
	4	us	2001-0001455		Davis, et al.	
	5	US	2001-0001452		Davis, et al.	
	6	US	3,150,442	09-1964	Straw, et al.	
	7	US	3,538,744	10-11-1976	Karasek	
	8	US	3,586,933	06-1971	Bonini, Joseph N.	
-	9	US	3,611,071	10-1971	Agusta, Benjamin	
	10	US	3,663,194	05-1972	Greenstein, et al.	
·	11	US	3,669,881	06-13-1972	Cremer, et al.	
	12	US	3,725,186	04-1973	Lynch, John F.	
	13	US	3,738,759	06-12-1973	Dittrich, et al.	
	14	US	3,770,405	11-1973	DeAngelis, et al.	
	15	US-	3,915,652	10-28-1975	Natelson	
	16	US	3,921,916	11-1975	Bassous	
	17	US	3,940,301	02-1976	Straw, et al.	
	18	US	4,007,464	02-1977	Bassous, et al.	
	19	US	4,056,324	11-01-1977	Gohde	
	20	US	4,092,166	05-30-1978	Olsen, et al.	
	21	US	4,209,696	06-1980	Fite	
	22	US-	4,356,722		Bunce, et al.	
	23	US	4,366,118		Bunce, et al.	
	24	US	4,369,664		Bunce, et al.	
	25	US	4,403,234	09-06-1983	Miura, et al.	
	26	US	4,403,234	09-1983	Miura, et al.	
	27	US	4,437,103	03-1984	Ikeda	

Examiner Signature		Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Subst	itute for	form 144	9/PTO		Con	nplete if K	nown
			Application Number	10/771	,553		
					Filing Date	02/04/2	2004
			ATION DISCLOS		First Named Inventor	James	E. Moon
	STA		ENT BY APPLIC	ANT	Art Unit	1724	
		(USE a	s many sheets as necessary)		Examiner Name		
Sheet	2		of 7		Attorney Docket Number	48900-	01018
	28	US	4,459,267	07-10-1984	Bunce, et al.		
	29	US	4,480,259	10-30-1984	Kruger, et al.		
	30	US	4,489,259	12-18-1984	White, et al.		
	31	US	4,490,728	12-25-1984	Vaught, et al.		
	32	us	4,590,482	05-20-1986	Hay, et al.	-	
	33	us	4,593,728	06-10-1986	Whitehead, et al.		
	34	US	4,683,042	07-28-1987	Scott		
	35	US	4,708,782	11-24-1987	Andresen, et al.		
	36	US	4,728,392	03-01-1988	Miura, et al.	-	
	37	US-	4,728,392	03-1988	Miura, et al.		
	38	US	4,733,823	03-1988	Waggener, et al.		
	39	us	4,842,701	06-27-1989	Smith, et al.		
	40	US	4,879,097	11-07-1989	Whitehead, et al.		
	41	US	4,891,120	01-02-1990	Sethi, et al.		
	42	US	4,908,112	03-13-1990	Pace		
	43	US-	4,983,038	01-08-1991	Ohki, et al.		
	44	US	4,999,493	03-12-1991	Allen, et al.		
	45	US-	5,015,845	05-14-1991	Allen, et al.		
	46	US-	5,110,745	05-05-1992	Kricka, et al.		
	47	US-	5,126,022		Soane, et al.		
	48	US	5,132,012	07-21-1992	Miura, et al.		
	49	US	5,162,650	11-10-1992			
	50	US	5,180,480	01-19-1993	Manz		
	51	US	5,182,366	01-26-1993	Huebner, et al.		
	52	US	5,245,185	<del></del>	Busch, et al.		
	53	US	5,269,900		Jorgenson, et al.		
	54	US	5,283,036		Hofmann, et al.	<u> </u>	

Date Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Examiner

Signature

Substitute for form 1449/PTO				Co	omplete if Kno	wn			
				Application Number		10/771,553			
					Filin	g Date	02/04/2004	ļ	
			ION DISCLOS		Firs	t Named Inventor	James E. M	loon	
S			NT BY APPLIC any sheets as necessary)	ANT	Art I	Unit	1724		
	,,	J56 92 116	any sneets as necessary)		Exa	miner Name			
Sheet	3	of	7		Atto	rney Docket Number	48900-010	18	
	55	US	5,294,426	03-15-1	994	Sekine, et al.			
	56	US	5,296,114	03-22-1	994	Manz			
	57	US	5,296,375	03-22-1	994	Kricka, et al.			
	58	US	5,302,533	04-12-1	994	Kricka			
	59	US	5,304,487	04-19-1	994	Wilding, et al.			
	60	US	5,306,621	04-26-9	4	Kricka			
	61	US	5,316,680	05-31-1	994	Frechet, et al.			
	62	US	5,328,578	07-12-1	994	Gordon			-
	63	US	5,331,159	07-19-1	994	Apffel, Jr., et al.			
	64	US	5,332,481	07-26-1	994	Guttman			
	65	US	5,334,310	08-02-1	994	Frechet, et al.			
	66	US	5,338,427	08/16/19	994	Shartle, et al.			
	67	US	5,349,186	09-20-1	994	Ikonomou, et al.			
	68	US	5,374,834	12-20-1	994	Geis, et al.			
	69	US	5,376,252	12-27-1	994	Ekstrom, et al.			
	70	US	5,387,329	02-07-1	995	Foos, et al.			
	71	US	5,401,376	03-28-1	995	Foos, et al.			
	72	US	5,401,963	03-28-1	995	Sittler			
	73	US	5,415,841	05-16-1	995	Dovichi, et al.			
	74	US	5,421,980	06-06-1	995	Guttman			
	75	US	5,423,964	06-13-1	995	Smith, et al.			
	76	US	5,427,946	06-27-1	995	Kricka, et al.			
	77	us	5,429,734	07-04-1	995	Gajar, et al.			
	78	US	5,431,807	07-11-1	995	Frechet, et al.			
	79	US	5,445,324	08-29-1	995	Berry, et al.			

Examiner Signature	Date Considered	
'		

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sub	Substitute for form 1449/PTO					Complete if Known
					Application Number	10/771,553
					Filing Date	02/04/2004
			NATION DISC		First Named Inventor	James E. Moon
	STA		MENT BY APF		Art Unit	1724
		(Use	as many sheets as neces	isary)	Examiner Name	
Sheet	4	(	of 7		Attorney Docket Number	48900-01018
-	80	US	5,453,185	09-26-1995	Frechet, et al.	
	81	U\$	5,481,110		Krishnaswamy, et al	1.
	82	US	5,486,335		Wilding, et al.	
	83	US	5,493,115		Deinzer, et al.	
	84	US	5,495,108		Apffel, Jr., et al.	
	85	US	5,498,392		Wilding, et al.	
	86	US	5,501,883		Ishikawa, et al.	
	87	US	5,501,893	03-26-1996	Laermer, et al.	
	88	US	5,505,832	04-1996	Laukien, et al.	
	89	US	5,512,131	04-30-1996		
	90	US	5,512,451	04-30-1996		
	91	US	5,523,566	06-04-1996	Fuerstenau, et al.	
	92	US	5,536,939		Freidhoff, et al.	
	93	US	5,541,408	07-30-1996		
	94	US	5,563,639	10-08-1996	Cameron, et al.	
	95	US	5,572,023	11-05-1996		
	96	US	5,608,217		Franzen, et al.	
	97	US	5,640,010	06-17-1997	Twerenbold	
	98	US	5,641,400		Kaltenbach, et al.	
	99	US	5,644,131	07-01-1997		
	100	US	5,647,979	07-15-1997	Liao, et al.	
	101	US	5,652,427	07-29-1997	Whitehouse, et al.	
	102	US	5,705,813	01-06-1998		
	103	US	5,716,825		Hancock, et al.	
	104	US	5,747,815	05-05-1998		
	105	US	5,750,988	05-12-1998		
	106	US-	5,779,868		Parce, et al.	
	107	US	5,789,746	08-04-1998		

Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, **P.O. Box 1450, Alexandria, VA 22313-1450.** 

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Signature

Substitute for form 1449/PTO				Com	plete if Kno	own			
				App	Application Number 10/		53		
					Filin	g Date	02/04/20	004	
			ION DISCLOSI		Firs	t Named Inventor	James E.	Moon	
SI			NT BY APPLICA	ANT	Art	Unit	1724		
	(C	rse as ma	any sheets as necessary)		Exa	miner Name			
Sheet	5	of	7		Atto	rney Docket Number	48900-0	1018	
	108	US	5,800,692	09-01-1	998	Naylor, et al.			
	109	US	5,804,022			Kaltenbach, et al.			
	110	US	5,856,082	01-05-1	999	Aebersold, et al.			
	111	US	5,872,010	02-16-1	999	Karger, et al.			
	112	US	5,876,957	03-02-1	999	Douglas, et al.			
	113	US	5,877,495	03-02-1	999	Takada, et al.			
	114	US	5,917,184	06-29-1	999	Carson, et al.			•
	115	US-	5,917,185	06-29-1	999	Yeung, et al.			
	116	US	5,969,351	10-19-1	999	Nabeshima, et al.			
	117	US	5,969,353	10-19-1	999	Hsieth			
	118	US	5,972,187	10-1999	)	Parce, et al.			
	119	US	5,993,633	11-30-1	999	Smith, et al.			
	120	US	5,994,696	11-30-1	999	Tai, et al.			
	121	US	6,005,245	12-21-1	999	Sakairi, et al.			
	122	US	6,007,775	12-28-1	999	Yager			
	123	US	6,032,876	03-07-2	000	Bertsche, et al.			
	124	US	6,060,705	05-09-2	000	Whitehouse, et al.			
	125	US	6,066,848			Kassel, et al.			
	126	US-	6,068,749	05-2000	)	Karger, et al.			
	127	US	6,110,343			Ramsey, et al.			
	128		6,114,693			Hirabayashi, et al.			
	129		6,171,875	01-2001		Silverbrook			
	130		6,245,227	06-12-2		Moon, et al.			
	131	US	6,394,945 B2			Moon, et al.			
	132	US	6,417,510 B2			Moon, et al.			
	133	us	6,454,938 B2	09-24-2	002	Moon, et al.			

Examiner	Date	
Signature	Considered	
	1 1	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substitute for form 1449/PTO

Sheet

6

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of | 7

Complete if Known			
Application Number	10/771,553		
Filing Date	02/04/2004		
First Named Inventor	James E. Moon		
Art Unit	1724		
Examiner Name			
Attorney Docket Number	48900-01018		

		FOREIGN	PATENT DOCU	MENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
	134	DE 43 18 407	12-08-1994	Howitz, Steffen, Dr.		
	135	EP 0 964,428 A2	12-15-1999	Yin, Hungfeng		
	136	EP 0 966,022 A2	12-22-1999	Bateman, Robert H.		=
	137	EP 259,796	01-03-1996	Andresem, Brian D.		
	138	EP 565,027	03-05-1997	Jarrell, Joseph A.		
	139	EP 588,952	09-01-1999	Whitehouse, Craig M.		
	140	EP 637,998	07-03-1996	Wilding, Peter		_
	141	EP 639,223	07-03-1996	Kricka, Larry J.		_
	142	EP 677,322	10-18-1995	Maruyama, Naosuke		
	143	EP 692,713	01-17-1996	Apffel, James A., Jr.		
	144	EP 860,858	08-26-1998	Waki, Hiroaki		
	145	GB 2 260 282	04-14-1993	Jauernig, Udo		
	146	GB 2,287,356	09-13-1995	Mann, Matthias		
	147	PCT/US00/34999	07-12-01	Schultz, Gary A.		
	148	PCT/US01/01785	07-26-01	Corso, Thomas N.		_
	149	WO 00/52455	09-08-2000	Corso, Thomas N.		_
	150	WO 01/50499	07-12-2001	Schultz, Gary A.		_
	151	WO 0153819	07-26-2001	Corso, Thomas N.		=
	152	WO 92/03720	03-05-1992	Maule, Colin		
	153	WO 93/22053	11-11-1993	Wilding, Peter		_
_	154	WO 93/22055	11-11-1993	Wilding, Peter		=
	155	WO 96/04547	02-15-1996	Ramsey, J. Michael		_

Examiner	Date
Signature	Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Cut	the transfer of the AMOUNTO		Complete if Known				
Sub	stitute for form 1449/PTO		Application Number		10/771,553		
	INFORMATION DISCLOSURE	Filing Date		02/04/2004			
	STATEMENT BY APPLICANT		First Nam	ed Inventor	James E. Moon		
	(Use as many sheets as necessary)		Art Unit		1724		
			Examiner	Name			
Sheet	7 of 7		Attorney (	Docket Number	48900-01018		
	156 WO 96/14933	05-2	3-1996	Kricka, La	rry J.		
	157 WO 96/14934	05-2	3-1996	Wilding, P	eter		
158 WO 96/15269		05-2	3-1996	Wilding, P	eter		
	159 WO 97/04297	02-1	997	Karger, Ba	rry L.		

Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Signature

PTO/SB/08B (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

_	Substit	tute for form 1449/PTO			Complete if Known		
					Application Number	10/771,553	
					Filing Date	02/04/2004	
		INFORMATION			First Named Inventor	James E. Moon	
	STATEMENT BY APPLICANT (Use as many sheets as necessary)				Art Unit	1724	
		(Ose as many sneets as		necessary)	Examiner Name		
	Sheet	1	of	8	Attorney Docket Number	48900-01018	

		NON PATENT LITERATURE DOCUMENTS
Eversions	Cito	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Amish Desai; Yu-Chong Tai; Michael T. Davis; and, Terry D. Lee, "A MEMS
		Electrospray Nozzle for Mass Spectroscopy," 1997 International Conference in
		Solid-State Sensors and Actuators, Chicago, June 16-19, 1997, p. 927-930.
		Andren, Per E., et al., "Micro-Electrospray: Zeptomole/Attomole per Microliter
		Sensitivity for Peptides," 1994, American Society for Mass Spectrometry, pp. 867-
		869.
		Angell, James B., et al., "Silicon Micromechanical Devices," 1983, Scientific
		American, pp. 44-55.
		Beavis, R.C., et al., "Off-Line Coupling of a Microbore High-Performance Liquid
		Chromatograph to a Secondary Ion-Time of Flight Mass Spectrometer," 1990,
		Analytical Chemistry, pp. 1259-1264.
		Beavis, Ronald C., et al., "Automated Dry Fraction Collection for Microbore
		High-Performance Liquid Chromatography-Mass Spectrometry, 1986, Journal of
		Chromatography, 359, pp. 489-497.
		Bing He, Niall Talt, Fred Regnier, "Fabrication on Nanocolumns for Liquid
		Chromatography," Analytical Chemistry, Vol. 70, No. 18, September, 1998, pages
		3790-3797.
		Burggrat, Norbert, et al., "Synchronized Cyclic Capillary Electrophoresis – A
		Novel Approach to Ion Separations in Solution", October, 1993, Journal of High
		Resolution Chromatography, Vol. 16, pp. 594-596.
		Cheng, Jing, et al., "Chip PCR.II. Investigation of Different PCR Amplification
		Systems in Microfabricated Silicon-Glass Chips," 1996, Nucleic Acids Research,
		Vol. 24, No. 2, pp. 380-385.
		Chu, Yen-Ho, et al., "Affinity Capillary Electrophoresis-Mass Spectrometry for
		Screening Cominatorial Libraries," 1996, Journal of the American Chemical
		Society, pp. 7827-7835.

Examiner	Date
Signature	Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	Substit	ute for form 1449/PTO			Complete if Known		
					Application Number	10/771,553	
					Filing Date	02/04/2004	
	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				First Named Inventor	James E. Moon	
					Art Unit	1724	
		(Use as many she	eus as	s riecessary)	Examiner Name		
$\overline{}$	Sheet	2	of	8	Attorney Docket Number	48900-01018	

Cowan, S., et al., "An On-Chip Miniature Liquid Chromatography System:	
Design, Construction and Characterization," 1995, Micro Total Analysis Systems,	
pp. 295-298.	
D. Figeys, et al., Analytical Chemistry, Vol. 69, August 1977, pp. 3153-3160	
D. Jed Harrison; Karl Fluri; Kurt Seiler; Zhonghui Fan; Carlo S. Effenhauser; and,	
Andreas Manz, "Micromachining a Miniaturized Capillary Electrophoresis-Based	
Chemical Analysis System on a Chip," Science, Vol. 261, August 1993, 895-897.	
David C. Gale and Richard D. Smith, "Small Volume and Low Flow-rate	
Electrospray Ionization Mass Spectrometry of Aqueous Samples," Rapid	
Communications in Mass Spectrometry, Vol. 7, September, 1993, pages 1017-	
1021.	
David P. H. Smith, "The Electrohydrodynamic Atomization of Liquids," IEEE	
Transactions on Industry Applications, Vol. IA-22, No. 3, p. 527-535, May-June,	
1986.	
Davis, Michael T., et al., "A Microscale Electrospray Interface for On-Line,	
Capillary Liquid Chromatography/Tandem Mass Spectrometry of Complex	
Peptide Mixtures," 1995, Analytical Chemistry, 67, pp. 4549-4556.	
Deml, M., et al., "Electric Sampler Splitter for Capillary Zone Electrophoresis,"	
1985, Journal of Chromatography, 320, pp. 159-165.	
Doherty, Steven J., et al., "Rapid On-Line Analysis Using a Micromachined Gas	
Chromatograph Coupled to a Bench-Top Quadrupole Mass Spectrometer," 1994,	
LC-GC Vol. 12, No. 11, pp. 846-850.	
Effenhauser, Carlo S., et al, "Manipulation of Sample Fractions on a Capillary	
Electrophoresis Chip," July 1, 1995, Analytical Chemistry, Vol. 67, No. 13, pp.	
2284-2287.	
Effenhauser, Carlo S., et al., "Glass Chips for High-Speed Capillary	
Electrophoresis Separations with Submicrometer Plate Height," 1993, Analytical	
Chemistry, 65, pp. 2637-2642.	
Chemistry, 63, pp. 2637-2642.	

Examiner Signature Considered	Examiner Signature	Date Considered	
-------------------------------	-----------------------	--------------------	--

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	Substitute for form 1449/PTO	Co	emplete if Known
		Application Number	10/771,553
		Filing Date	02/04/2004
	INFORMATION DISCLOSU	i First Named inventor	James E. Moon
	STATEMENT BY APPLICANT (Use as many sheets as necessary)	NT Art Unit	1724
	(Ose as many sneets as necessary)	Examiner Name	
$\overline{}$	Sheet 3 of 8	Attorney Docket Number	48900-01018

	Effenhauser, Carlo S., et al., "High-Speed Separation of Antisense
	Oligonucleotides ona Micromachined Capillary Electrophoresis Device," 1994,
	Analytical Chemistry, 66, pp. 2949-2953.
	Elwenspoek, M., et al., "Silicon Microstructures for Fluid Handling," 1994,
	Analysis Magazine, pp. 1-4.
	Emmett, Mark R., et al., "Micro-Electrospray Mass Spectrometry; Ultra-High-
	Sensitivity Analysis of Peptides and Proteins," 1994, American Society for Mass
	Spectrometry, pp. 605-613.
	Fan, Zhonghul H., et al., "Micromachining of Capillary Electrophoresis Injectors
	and Separators on Glass Chips and Evaluation of Flow at Capillary
	Intersections," January 1, 1994, Analytical Chemistry, Vol. 66, No. 1, pp. 177-
	184.
	Fang, Liing, et al., "On-Line Time-of-Flight Mass Spectrometric Analysis of
	Peptides Separated by Capillary Electrophoresis," November 1, 1994, Analytical
	Chemistry, Vol. 66, No. 21, pp. 3696-3701.
	Figueroa, Alvaro, et al., "High-Performance Immobilized Metal Affinity
	Chromatography of Proteins on Iminodiacetic and Acid Silica-Based Bonded
	Phases," 1986, Journal of Chromatography, 371, pp. 335-352.
	Harrison, D. Jed, et al., "Rapid Separation of Fluorescein Derivatives Using a
	Micromachined Capillary Elecrophoresis System," 1993, Analytica Chimica Acta,
	283, pp. 361-366.
	Harrison, D. Jed, et al., "Towards Miniaturized Electrophoresis and Chemical
	Analysis Systems on Silicon; An Alternative to Chemical Sensors," 1993, Sensors
	and Actuators, pp. 107-116.
	Harrison, D. Jed., et al., "Capillary Electrophoresis and Sample Injection Systems
	Integrated on a Planar Glass Chip," 1992, Analytical Chemistry, pp. 1926-1932.
	Jacobsen, Stephen C., et al., "Effects of Injection Schemes and Column Geometry
	on the Performance of Microchip Electrophoresis Devices," 1994, Analytical
	Chemistry, 66, pp. 1107-1113.
Examiner	Date Considered
Signature	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	Substit	ute for for	m 1449/PTO			Complete if Known			
						Application Number	10/771,553		
						Filing Date	02/04/2004		
	INFORMATION DISCLOSURE					First Named Inventor	James E. Moon		
	STATEMENT BY APPLICANT (Use as many sheets as necessary)					Art Unit	1724		
						Examiner Name			
$\overline{}$	Sheet	4	•	of	8	Attorney Docket Number	48900-01018		

	Jacobsen, Stephen C., et al., "Fused Quartz Substrates for	or Microchip				
	Electrophoresis," 1995, Analytical Chemistry, 67, pp. 20	059-2063.				
	Jacobsen, Stephen C., et al., "Integrated Microdevice for	DNA Restriction				
	Fragment Analysis," 1996, Analytical Chemistry, 68, pp	. 720-723.				
	Jacobsen, Stephen C., et al., "Microchip Capillary Electr	rophoresis with an				
İ	Integrated Postcolumn Reactor," October 15, 1994, Ana	lytical Chemistry, Vol. 66,				
	No. 20, pp. 3472-3476.					
	Jacobsen, Stephen C., et al., "Microchip Electrophoresis	with Sample Stacking,"				
	1995, Electrophoresis, 15, pp. 481-486.					
	Jacobsen, Stephen C., et al., "Precolumn Reactions with	Electrophoretic Analysis				
Integrated on a Microchip," 1994, Analytical Chemistry, 66, pp. 4127-4132.						
	James N. Alexander IV, "Development of a Nano-electro	ospray Mass Spectrometry				
	Source for Nanoscale Liquid Chromatography and Shea	thless Capillary				
	Electrophoresis," Rapid Communication in Mass Spectro	ometry, 12, July, 1998,				
	pages 1187-1191.					
	Jansson, Marten, et al., "Micro Vials on a Silicon Wafer	for Sample Introduction in				
	Capillary Electrophoresis," 1992, Journal of Chromatog	raphy, 626, pp. 310-314.				
	John H. Knox, "Theoretical Aspects of LC with Packed of	and Open Small-Bore				
	Columns," Journal of Chromatographic Science, Vol. 18	, September, 1980, pages				
	453-461.					
	Jorg P. Kutter, Stephen C. Jacobsen, and J. Michael Ram					
·	Microchip Device with Electrokinetically Controlled Sol					
	and Gradient Elution in Micellar Electrokinetic Chroma					
	Chemistry, Vol. 69, No. 24, December 1997, pages 5165					
	K. Vanhoutte, et al., Analytical Chemistry, Vol. 69, Aug	ust 1997, pp. 3161-3168.				
	Ko, Wen H., et al., "Semiconductor Integrated Circuit To	echnology and				
	Micromachining," pp. 109-168. Undated.					
xaminer ignature		Date Considered				

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	Substitute for form 1449/PTO		Complete if Known			
			Application Number	10/771,553		
			Filing Date	02/04/2004		
	INFORMATION [	- · <del>-</del> · · -	First Named Inventor	James E. Moon		
	STATEMENT BY APPLICANT (Use as many sheets as necessary)	Art Unit	1724			
	Use as many sneets	as necessary)	Examiner Name			
_	Sheet 5	of 8	Attorney Docket Number	48900-01018		

	Korner, Roman, et al., "Nano Electrospray Combined with a Quadupole Ion Trap	
	for the Analysis of Peptides and Protein Digests," 1996, American Society for	
	Mass Spectrometry, pp. 150-156.	
_	Koutney, Lance B., et al., "Microchip Electrophoretic Immunoassay for Serum	
	Cortisol," 1996, Analytical Chemistry, 68, pp. 18-22.	
	Kriger, M. Scott, et al., "Durable Gold-Coated Fused Silica Capillaries for Use in	
	Electrospray Mass Spectrometry," 1995, Analytical Chemistry, 67, pp. 385-389.	
	Malcolm Dole; L.L. Mack; R.L. Hixes; R.C. Mobley; L.D. Ferguson; and, M.B.	
	Alice, "Molecular Beams of Macroions," The Journal of Chemical Physics,	
	Volume 49, Number 5, September 1, 1968, p. 2240-2249.	
	Manz, A., et al., "Design of an Open-Tubular Column Liquid Chromatography	
	Using Silicon Chip Technology," 1990, Sensors and Actuators, BI, pp. 249-255.	
	Manz, A., et al., "Micromachining of Monocrystalline Silicon and Glass for	
	Chemical Analysis Systems," 1991, Trends in Analytical Chemistry, Vol. 10, No.	
	5, pp. 144-149.	
	Manz, Andreas, et al., "Miniaturization of Separation Techniques Using Planar	
	Chip Technology," July, 1993, Journal of High Resolution Chromatography, Vol.	
	16, pp. 433-436.	
	Manz, Andreas, et al., "Planar Chip Technology for Capillary Electrophoresis,"	
	1994, Fresenius Journal of Analytical Chemistry, 348, pp. 567-571.	
	Manz, Andreas, et al., "Planar Chips Technology for Miniaturization and	
	Integration of Separation Techniques into Monitoring Systems," 1992, Journal of	
	Chromatography, 593, pp. 253-258.	
	Manz, Andreas, et al., "Planar Chips Technology for Miniaturization of	
	Separation Systems: A Development Perspective in Chemical Monitoring," 1993,	
	Advances in Chromatography, pp. 1-67.	_
	Masamichi Yamashita and John B. Fenn, Journal of Chemical Physics, Volume	
· ·	88, 1984, p. 4451-4459.	

$\overline{}$		
Examiner Signature	Date Considered	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	Substit	ute for form 1449/PTO		Complete if Known		
				Application Number	10/771,553	
				Filing Date	02/04/2004	
	INFORMATION DISCLOSURE			First Named Inventor	James E. Moon	
			BY APPLICANT	Art Unit	1724	
	(Use as many sheets as necessary)			Examiner Name		
	Sheet	6	of 8	Attorney Docket Number	48900-01018	

	Matthias S. Wilm, Matthias Mann, "Electrospray and Taylor-Cone theory, Dole's beam of macromolecules at last?," International Journal of Mass Spectrometry and	
	Ion Process and Ion Processes, June, 1994, pages 167-180.	
	Matthias Wilm and Matthias Mann, "Analytical Properties of the	
	Nanoelectrospray Ion Source," Analytical Chemistry, Vol. 68, No. 1, January 1, 1996, p. 1-8.	
	Moore, Alvin W., Jr., et al., "Microchip Separations of Neutral Species via	$\neg$
	Micellar Electrokinetic Capillary Chromatography," November 15, 1995,	
	Analytical Chemistry, Vol. 67, No. 22, pp. 4184-4189.	
	Nichols, William, et al., "CE-MS for Industrial Applications Using a Liquid	
	Junction with Ion-Spray and CF-FAB Mass Spectrometry," 1992, LC-GC, Vol. 10,	
	No. 9, pp. 676-686.	
	Ocvirk, Gregor, et al., "High Performance Liquid Chromatography Partially Integrated onto a Silicon Chip," 1995, Analytical Methods and Instrumentation,	
	pp. 74-82.	
	Oliveres, Jose A., et al. "On-Line Mass Spectrometric Detection for Capillary	
	Zone Electrophoresis," 1987, Analytical Chemistry, 59, pp. 1230-1231.	
	Overton, E.B., et al., "Development of a Temperature Programmed Microchip,	
	High Resolution Gas Chromatograph/Mass Spectrometer for Volatile Organic	
	Analysis," pp. 395-398.	
	Peters, et al., "Rigid Macroporous Polymer Monolithis," Adv. Mater.,	
	11(14):1169-1181 (1999).	
	Petersen, Kurt, "Biomedical Applications of MEMS," 1996, IEEE, pp. 239-242.	$\dashv$
	, , , , , , , , , , , , , , , , , , ,	
	Qifeng Xue; Frantisek Foret; Yuriy M. Dunayevskiy; Paul M. Zavracky, Nicol E.	$\neg$
	McGruer, and, Barry L. Karger, "Multichannel Microchip Electrospray Mass	
	Spectrometry," Analytical Chemistry, Vol. 69, No. 3, February 1, 1997, p. 426-	
	430.	
Examiner Signature	Date Considered	
	<u> </u>	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	Substit	ute for form 1449/PTO	49/PTO Com		mplete if Known	
				Application Number	10/771,553	
				Filing Date	02/04/2004	
			N DISCLOSURE	First Named Inventor	James E. Moon	
			BY APPLICANT eets as necessary)	Art Unit	1724	
		(Ose as many sir	eets as necessary)	Examiner Name		
	Sheet	7	of 8	Attorney Docket Number	48900-01018	

	R.S. Ramsey and J.M. Ramsey, "Generating Electrospray from Microchip Devices Using Electroosmotic Pumping," Analytical Chemistry, Vol. 69, No. 6, March 15, 1997, p. 1174-1178.
	Raymond, Daniel E., et al., "Continuous Sample Pretreatment Using a Free-Flow Electrophoresis Device Integrated onto a Silicon Chip," September 15, 1994, Analytical Chemistry, Vol. 68, No. 18, pp. 2858-2865.
	Richard B. Cole, "Electrospray Ionization Mass Spectrometry," John Wiley & Sons, Inc., 1997, pages 1-63.
	Roeraade, Johan, "Nano-Sized Systems for Bioanalysis (abstract)," Royal Institute of Technology, Sweden, pp. 3, 19 & 63.
	Seiler, Kurt, et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow within a Manifold of Capillaries on a Glass Chip," October 15, 1994, Analytical Chemistry, Vol. 66, No. 20, pp. 3485-3491.
	Seiler, Kurt, et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," 1993, Analytical Chemistry, Vol. 65, No. 10, pp. 1481-1488.
	Shoffner, Mann A., et al., "Chip PCR. I. Surface Passivation of Microfabricated Silicon-Glass Chips for PCR," 1996, Nucleic Acids Research, Vol. 24, No. 2, pp. 375-379.
	Sjolander, Stefan, et al., "Integrated Fluid Handling System for Biomolecular Interaction Analysis," 1991, Analytical Chemistry, 63, pp. 2338-2345.
	Smith, R.D., et al., "New Developments in Microsale Separations and Mass Spectrometry for Biomonitoring; Capillary Electrophoresis and Electrospray Ionization Mass Spectrometry," 1993, Journal of Toxicology and Environmental Health, pp. 147-158.
	Smith, Richard D., et al., "Improved Electrospray Ionization Interface for Capillary Zone Electrophoresis-Mass Spectrometry," 1988, Analytical Chemistry, Vol. 60, pp. 1948-1952.
Examiner Signature	Date Considered

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Substit	ute for form 1449/PTO	_			Complete if Known		
				Application Number	10/771,553		
				Filing Date	02/04/2004		
INFORMATION DISCLOSURE				First Named Inventor	James E. Moon		
STATEMENT BY APPLICANT (Use as many sheets as necessary)	Art Unit	1724					
(Ose as many sn		y sneets a:	s necessary)	Examiner Name			
 Sheet	8	of	8	Attorney Docket Number	48900-01018		

Snyder, Introduction to Modern Liquid Chromatography, John Wiley & Sons, Inc.,	
 pp. 270-272 and 277-278 (1979).	
Stephen C. Jacobson; Roland Hergenroder; Lance B. Koutny; and, J. Michael Ramsey, "High-Speed Separations on a Microchip," Anal. Chem., April 1, 1994, 66, 1114-1118.	
Stephen C. Jacobson; Roland Hergenroder; Lance B. Koutny; and, J. Michael Ramsey, "Open Channel Electrochromatography on a Microchip," Anal. Chem. 1994, 66, 2369-2373.	
Valaskovic, Gary A., et al., "Attomole-Sensitivity Electrospray Source of Large Molecule Mass Spectrometry," October 15, 1995, Analytical Chemistry, Vol. 67, No. 20, pp. 3802-3805.	
Wahl, Jon H., et al., "Sheathless Capillary Electrophoresis-Electrospray Ionization Mass Spectrometry Using 10 pm I.D. Capillaries; Analyses of Tryptic Digests of Cytochrome C," 1994, Journal of Chromatography A, 659, pp. 217-222.	
Wang, Xuan-Qi, et al., "Polymer-Based Electrospray Chips for Mass Spectrometry," 1999, IEEE, pp. 523-528.	
Whitehouse, Craig M., et al., "Electrospray Interface for Liquid Chromatographs and Mass Spectrometers," March, 1985, Analytical Chemistry, Vol. 57, No. 3, pp. 675-679.	
Woolley, Adam T., et al., "Ultra-High-Speed DNA Sequencing Using Capillary Electrophoresis Chips," 1995, Analytical Chemistry, 67, pp. 3676-3680.	
Woolley, et al., "Ultra-High-Speed DNA Fragment Separations Using Microfabricated Capillary Array Electrophoresis Chips," November, 1994, Proc. Natl. Acad. Sci., USA, Vol. 91, pp. 11348-11352.	
Yoshida, Yu, et al., "Direct Measurement of Mass Fragmentograms for Eluents from a Micro-Liquid Chromatograph Using an Improved Nebulizing Interface," January, 1980, Journal of HRC & CC, Vol. 3, pp. 16-20.	

Examiner Signature	Date Considered	
Signature		

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:		)
	Moon, James E., et al.	)
Application No.:	10/771,553	) ) Art Unit ) 1724
Confirmation No.:	3925	) 1724 )
Filed:	February 4, 2004	) )
For:	MICROFABRICATED ELECTROSPRAY DEVICE	) ) )
Examiner:	Not Assigned	) )

### **CERTIFICATE OF EXPRESS MAILING**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the below listed documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee," Certificate # EV 437487043US, service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

- 1. Information Disclosure Statement Transmittal (2 pgs.)
- 2. Information Disclosure Statement by Applicant, Form 1449 PTO/SB/08A (7 pgs.)
- 3. Information Disclosure Statement by Applicant, Form 1449 PTO/SB/08B (8 pgs.)
- 4. Return Receipt Postcard

DATED this Hay of June, 2004.

Respectfully submitted,

Teresa K. Burgon

Holme Roberts & Owen LLP 299 South Main Street, Suite 1800

Salt Lake City, Utah 84111

(801) 521-5800